

**ABSTRACT****Broadband Communication System**

*In*

1 A broadband communication system <sup>1</sup> comprises a plurality of cordless communication devices <sup>1</sup> <sup>are provided</sup> for cordless communication with at least one communication terminal <sup>2</sup>, for example a cordless telephone, a television receiver or a lap top computer, within a communication cell. The cordless communication devices <sup>1</sup> are connectible to the power supply network of, for example, a building and are <sup>designed</sup> <sup>1</sup> fashioned for broadband data transmission with the other cordless communication devices <sup>1</sup> and/or a control <sup>unit</sup> <sup>5</sup> <sup>means</sup> <sup>5</sup> via the power supply network.

2 The cordless data transmission between cordless communication device or base station <sup>1</sup> and communication terminal <sup>2</sup> preferably ensues via infrared radiation. The invention enables <sup>A</sup> broadband cordless data transmission between various terminal devices <sup>2</sup> or from one terminal device to an external communication network given the lowest possible installation <sup>expense</sup> <sup>outlay</sup>.

3 Fig. 1